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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/653,583	08/31/2000	Yoshiro Mikami	503.35282CX1	6649
20457	7590	10/30/2006	EXAMINER	
ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-3873				PIZIALI, JEFFREY J
ART UNIT		PAPER NUMBER		
		2629		

DATE MAILED: 10/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/653,583	MIKAMI ET AL.
Examiner	Art Unit	
Jeff Piziali	2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 17 May 2004.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 6,9,23,24 and 27 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) _____ is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) 6,9,23,24 and 27 are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. 08/820,835.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____ .
 5) Notice of Informal Patent Application
 6) Other: _____.

DETAILED ACTION

Priority

1. Acknowledgment is made of applicants' claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 08/820,835 (now US Patent No. 6,115,017), filed on 19 March 1997.

Terminal Disclaimer

2. The terminal disclaimer filed on 29 January 2003 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US Patent No. 6,115,017 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Election/Restrictions

3. This application contains claims (at least as of the 'Amendment' filed 17 May 2004) directed to at least the following patentably distinct species, sub-species, and sub-sub-species:

Species I, drawn to *a transmissive type liquid crystal display apparatus having a backlight* (see Figs. 1 & 2; Page 11, Lines 16-18 of the instant specification, for instance), and

Species II, drawn to *a reflective type liquid crystal display apparatus having no backlight* (see Fig. 20; Page 31, Line 1 - Page 34, Line 3 of the instant specification, for

instance). Wherein both **Species I & II** are further directed to at least the following patentably distinct sub-species:

Sub-Species A, drawn to *a liquid crystal display apparatus comprising a display data holding circuit having a coplanar structure* (see Figs. 5-7; Page 15, Line 5 - Page 17, Line 14 of the instant specification, for instance), and

Sub-Species B, drawn to *a liquid crystal display apparatus comprising a display data holding circuit having an inverse stagger structure* (see Figs. 8 & 9; Page 17, Lines 15-27 of the instant specification, for instance). Wherein both **Sub-Species A & B** are further directed to at least the following patentably distinct sub-sub-species:

Sub-Sub-Species 1, drawn to *a liquid crystal display apparatus comprising a display data holding circuit including a sampling capacitor* (see Figs. 1-3; Page 10, Line 23 - Page 14, Line 15 of the instant specification, for instance), and

Sub-Sub-Species 2, drawn to *a liquid crystal display apparatus comprising a display data holding circuit including a static memory*

circuit including a plurality of thin film transistors (see Fig. 4; Page 14, Line 16 - Page 15, Line 4 of the instant specification, for instance).

The species, sub-species, and sub-sub-species are independent or distinct because the species, sub-species, and sub-sub-species do not overlap in scope, i.e., are mutually exclusive; the species, sub-species, and sub-sub-species are not obvious variants; and the species, sub-species, and sub-sub-species each have a materially different design, mode of operation, function, and effect.

Applicants are required under 35 U.S.C. 121 to elect a single disclosed species, sub-species, and sub-sub-species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims appear to be generic.

Applicants are advised that a reply to this requirement must include an identification of the species, sub-species, and sub-sub-species (for example, *Species I, Sub-Species A, Sub-Sub-Species 2*) that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicants will be entitled to consideration of claims to additional species, sub-species, and sub-sub-species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicants must indicate which are readable upon the elected species, sub-species, and sub-sub-species. MPEP § 809.02(a).

4. A telephone call was made to Mr. Melvin Kraus (Registration Number 22,466) on 20 October 2006 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicants are advised that the reply to this requirement to be complete must include (i) an election of a species, sub-species, and sub-sub-species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species, sub-species, and sub-sub-species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicants traverse on the ground that the inventions or species, sub-species, and sub-sub-species are not patentably distinct, applicants should submit evidence or identify such evidence now of record showing the inventions or species, sub-species, and sub-sub-species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

5. Applicants are reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the

application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeff Piziali whose telephone number is (571) 272-7678. The examiner can normally be reached on Monday - Friday (6:30AM - 3PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on (571) 272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Jeff Piziali
20 October 2006